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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

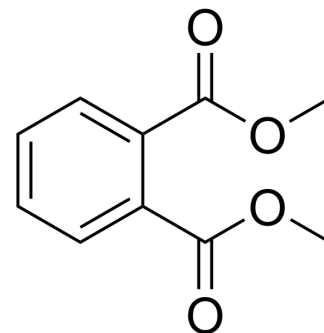
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Dimethyl phthalate

Cat. No.:	HY-N7106
CAS No.:	131-11-3
Molecular Formula:	C ₁₀ H ₁₀ O ₄
Molecular Weight:	194.18
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (514.99 mM; Need ultrasonic)																			
	Preparing Stock Solutions	<table border="1"> <thead> <tr> <th>Solvent Concentration</th> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td>1 mM</td> <td>5.1499 mL</td> <td>25.7493 mL</td> <td>51.4986 mL</td> </tr> <tr> <td>5 mM</td> <td>1.0300 mL</td> <td>5.1499 mL</td> <td>10.2997 mL</td> </tr> <tr> <td>10 mM</td> <td>0.5150 mL</td> <td>2.5749 mL</td> <td>5.1499 mL</td> </tr> </tbody> </table>	Solvent Concentration	1 mg	5 mg	10 mg	1 mM	5.1499 mL	25.7493 mL	51.4986 mL	5 mM	1.0300 mL	5.1499 mL	10.2997 mL	10 mM	0.5150 mL	2.5749 mL	5.1499 mL		
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10 mM	0.5150 mL	2.5749 mL	5.1499 mL																	
Please refer to the solubility information to select the appropriate solvent.																				
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (12.87 mM); Clear solution																			
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (12.87 mM); Clear solution																			
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (12.87 mM); Clear solution																			

BIOLOGICAL ACTIVITY

Description	Dimethyl phthalate, a known endocrine disruptor and one of the phthalate esters (PAEs), is a ubiquitous pollutant. Dimethyl phthalate is commonly used as a plasticizer to impart flexibility to rigid polyvinylchloride (PVC) resins ^[1] .
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REFERENCES

[1]. Wang ZG, et al. Impacts of dimethyl phthalate on the bacterial community and functions in black soils. Front Microbiol. 2015 May 5;6:405.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA